A RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ENTER INTO A COOPERATIVE PURCHASING AGREEMENT PURSUANT TO SECTION 2-1601 ET SEQ. OF THE CITY OF ATLANTA CODE OF ORDINANCES, UTILIZING **ADMINISTRATIVE** SERVICES DEPARTMENT OF GEORGIA NUMBER SWCGTA000546-43 WITH IBM CORPORATION (AN AUTHORIZED RESELLER OF CISCO PRODUCTS) FOR THE PURCHASE OF CISCO HARDWARE AND SOFTWARE FOR THE CITY OF ATLANTA'S NETWORK ADMISSION CONTROL SOLUTION ON BEHALF OF THE DEPARTMENT OF INFORMATION TECHNOLOGY, IN AN AMOUNT NOT TO EXCEED ONE HUNDRED EIGHT THOUSAND. FOUR HUNDRED SEVENTY-FOUR DOLLARS AND NO CENTS (\$108,474.00); ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND, DEPARTMENT, ORGANIZATION AND ACCOUNT NUMBERS 1001 **CHIEF** INFORMATION OFFICER) (GENERAL FUND) 050101 (DIT 5410001(CONSULTING PROFESSIONAL SERVICES - CAPITAL) 1535000 (DATA PROCESSING/MANAGEMENT INFORMATION SYSTEM); AND FOR OTHER PURPOSES.

WHEREAS, the advances in various technology used to access the internet have also increased the threat of viruses and remote threats to the operability and security of the City of Atlanta's ("City's") information technology network; and

WHEREAS, the increase in viruses and remote threats has increased the need to enforce and enhance the City's network security policies to ensure the safety of the City's information assets; and

WHEREAS, a Network Admission Control ("NAC") Solution will enable the City to control how users access the network, enforce security compliance on devices that access the network and provide visibility to user activity; and

WHEREAS, the NAC Solution requires the purchase of Cisco hardware and software to store and operate the application; and

WHEREAS, pursuant to Section 2-1601 et seq. of the City of Atlanta Code of Ordinances, the Chief Procurement Officer may procure supplies or construction items through contracts established by a public procurement unit where such contracts and contractors substantially meet the requirements of the Purchasing and Real Estate code; and

WHEREAS, the Chief Information Officer has identified Georgia DOAS Contract Number SWCGTA000546-43 with IBM (an authorized reseller of Cisco products) for the purchase of Cisco hardware and software for the City's NAC Solution; and

WHEREAS, the Chief Information Officer and the Chief Procurement Officer recommend utilizing Georgia DOAS Contract number SWCGTA000546-43 with IBM to cooperatively purchase Cisco hardware and software for the City's NAC Solution.

WHEREAS, this cooperative agreement was competitively procured in a manner consistent with Division 4 of the City's Procurement Code, and the cost of the goods and/or services are comparable.

NOW, THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor is authorized to enter into a cooperative purchasing agreement with IBM (an authorized reseller of Cisco products), utilizing Georgia DOAS contract number SWCGTA000546-43 to purchase Cisco hardware and software for the City's NAC Solution, in an amount not to exceed One Hundred Eight Thousand, Four Hundred Seventy-Four Dollars And No Cents (\$108,474.00).

**BE IT FURTHER RESOLVED,** that all contracted work will be charged to and paid from Fund, Department, Organization and Account Numbers 1001 (General Fund) 050101 (DIT Chief Information Officer) 5410001 (Consulting Professional Services - Capital) 1535000 (Data Processing/Management Information System).

**BE IT FURTHER RESOLVED**, that the Chief Procurement Officer in consultation with the City Attorney is directed to prepare the appropriate Agreement for execution by the Mayor.

**BE IT FINALLY RESOLVED,** that the Agreement will not become binding upon the City, and the City shall incur no liability upon same until contract has been approved by the City Attorney as to form, executed by the Mayor, attested to by the Municipal Clerk, and delivered to IBM.

A RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ENTER INTO A COOPERATIVE PURCHASING AGREEMENT PURSUANT TO SECTION 2-1601 ET SEQ. OF THE CITY OF ATLANTA CODE OF ORDINANCES, UTILIZING GEORGIA DEPARTMENT OF ADMINISTRATIVE SERVICES CONTRACT NUMBER SWCGTA000546-43 WITH IBM CORPORATION (AN AUTHORIZED RESELLER OF CISCO PRODUCTS) FOR THE PURCHASE OF CISCO HARDWARE AND SOFTWARE FOR THE CITY OF ATLANTA'S NETWORK ADMISSION CONTROL SOLUTION ON BEHALF OF THE DEPARTMENT OF INFORMATION TECHNOLOGY, IN AN AMOUNT NOT TO EXCEED ONE HUNDRED EIGHT THOUSAND, FOUR HUNDRED SEVENTY-FOUR DOLLARS AND NO CENTS (\$108,474.00); ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND, DEPARTMENT, ORGANIZATION AND ACCOUNT NUMBERS 1001 (GENERAL FUND) 050211 (IT NETWORK MANAGEMENT) 5222002 (REPAIR & MAINTENANCE-EQUIPMENT) 1535000 (DATA PROCESSING/MANAGEMENT INFORMATION SYSTEM); AND FOR OTHER PURPOSES.

WHEREAS, the advances in various technology used to access the internet have also increased the threat of viruses and remote threats to the operability and security of the City of Atlanta's ("City's") information technology network; and

WHEREAS, the increase in viruses and remote threats has increased the need to enforce and enhance the City's network security policies to ensure the safety of the City's information assets; and

WHEREAS, a Network Admission Control ("NAC") Solution will enable the City to control how users access the network, enforce security compliance on devices that access the network and provide visibility to user activity; and

WHEREAS, the NAC Solution requires the purchase of Cisco hardware and software to store and operate the application; and

WHEREAS, pursuant to Section 2-1601 et seq. of the City of Atlanta Code of Ordinances, the Chief Procurement Officer may procure supplies or construction items through contracts established by a public procurement unit where such contracts and contractors substantially meet the requirements of the Purchasing and Real Estate code; and

WHEREAS, the Chief Information Officer has identified Georgia DOAS Contract Number SWCGTA000546-43 with IBM (an authorized reseller of Cisco products) for the purchase of Cisco hardware and software for the City's NAC Solution; and

WHEREAS, the Chief Information Officer and the Chief Procurement Officer recommend utilizing Georgia DOAS Contract number SWCGTA000546-43 with IBM to cooperatively purchase Cisco hardware and software for the City's NAC Solution.

WHEREAS, this cooperative agreement was competitively procured in a manner consistent with Division 4 of the City's Procurement Code, and the cost of the goods and/or services are comparable.

NOW, THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor is authorized to enter into a cooperative purchasing agreement with IBM (an authorized reseller of Cisco products), utilizing Georgia DOAS contract number SWCGTA000546-43 to purchase Cisco hardware and software for the City's NAC Solution, in an amount not to exceed One Hundred Eight Thousand, Four Hundred Seventy-Four Dollars And No Cents (\$108,474.00).

**BE IT FURTHER RESOLVED,** that all contracted work will be charged to and paid from Fund, Department, Organization and Account Numbers 1001 (General Fund) 050211 (IT Network Management) 5222002 (Repair & Maintenance-Equipment) 1535000 (**Data** Processing/Management Information System).

**BE IT FURTHER RESOLVED,** that the Chief Procurement Officer in consultation with the City Attorney is directed to prepare the appropriate Agreement for execution by the Mayor.

**BE IT FINALLY RESOLVED,** that the Agreement will not become binding upon the City, and the City shall incur no liability upon same until contract has been approved by the City Attorney as to form, executed by the Mayor, attested to by the Municipal Clerk, and delivered to IBM.

<u>Part II: Legislative White Paper:</u> (This portion of the Legislative Request Form will be shared with City Council members and staff)

#### A. To be completed by Legislative Counsel:

Committee of Purview: FINANCE/EXECUTIVE

#### Caption:

A RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ENTER INTO A COOPERATIVE PURCHASING AGREEMENT PURSUANT TO SECTION 2-1601 ET SEQ. OF THE CITY OF ATLANTA CODE OF ORDINANCES, UTILIZING GEORGIA DEPARTMENT OF ADMINISTRATIVE SERVICES CONTRACT NUMBER SWCGTA000546-43 WITH IBM CORPORATION (AN AUTHORIZED RESELLER OF CISCO PRODUCTS) FOR THE PURCHASE OF CISCO HARDWARE AND SOFTWARE FOR THE CITY OF ATLANTA'S NETWORK ADMISSION CONTROL SOLUTION ON BEHALF OF THE DEPARTMENT OF INFORMATION TECHNOLOGY, IN AN AMOUNT NOT TO EXCEED ONE HUNDRED EIGHT THOUSAND, FOUR HUNDRED SEVENTY-FOUR DOLLARS AND NO CENTS (\$108,474.00); ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND, DEPARTMENT, ORGANIZATION AND ACCOUNT NUMBERS 1001 (GENERAL FUND) 050211 (IT NETWORK MANAGEMENT) 5222002 (REPAIR & MAINTENANCE-EQUIPMENT) 1535000 (DATA PROCESSING/MANAGEMENT INFORMATION SYSTEM); AND FOR OTHER PURPOSES.

Council Meeting Date: June 6, 2011

Requesting Dept.: Information Technology

#### B. To be completed by the department:

1. Please provide a summary of the purpose of this legislation (Justification Statement).

DIT would like to enter into a cooperative purchasing agreement with IBM, utilizing DOAS contract number SWCGTA000546-43 to purchase Cisco hardware for the City's NAC Solution, in an amount not to exceed One Hundred Eight Thousand, Four Hundred Seventy-Four Dollars and No Cents (\$108,474.00)

#### 2. Please provide background information regarding this legislation.

Advances in various technology used to access the internet have also increased the threat of viruses and remote threats to the operability and security of the City's information technology network. The increase in viruses and remote threats has increased the need to enforce and enhance the City's network security policies to ensure the safety of the City's information assets. The Network Admission Control ("NAC") Solution will enable the City to support role-based access control, enforce device security compliance and provide visibility to user activity.

3.	If	A	pp	lica	able	:/Kn	own	:

(a)	Contract	Type (e.g.	<b>Professional</b>	Services,	Construction	Agreement,	etc): Hardware
Purcha	se					_	•

- (b) Source Selection: Cooperative Purchase DOAS contract number SWCGTA000546-43
- (c) Bids/Proposals Due:
- (d) Invitations Issued:
- (e) Number of Bids:
- (f) Proposals Received:
- (g) Bidders/Proponents:
- (h) Term of Contract: N/A
- 4. Fund Account: 1001 (General Fund) 050211 (IT Network Management) 5222002 (Repair & Maintenance-Equipment) 1535000 (Data Processing/Management Information System)
- 5. Source of Funds:
- 6. Fiscal Impact: \$108,474.00
- 7. Method of Cost Recovery:

This Legislative Request Form Was Prepared By: Kathleen Lane, DIT Compliance Analyst

#### **Legislation Summary**

#### **Committee of Purview:**

#### Caption

A resolution authorizing the Mayor to execute an appropriate contractual agreement on behalf of the Department of Information Technology with IBM Corporation (An Authorized Reseller of Cisco Products) in an amount not to exceed one hundred eight thousand four hundred seventy four dollars and no cents (\$108,474.00). All contract work shall be charged to and paid from fund account and center number: 1001 (General Fund), 050211 (IT Network Management); 5222002 (Repair & Maintenance-Equipment); 1535000 (Data Processing/Management Information System).

**Council Meeting Date:** 

June 20, 2011

**Legislation Title:** 

Resolution authorizing the Chief Procurement Officer to utilize the State of Georgia **Department of Administrative Services Contract** #SWCGTA000546-43 with IBM Corporation (An Authorized Reseller of Cisco Products) for the purchase of Cisco Hardware and Software for the City of Atlanta's Network Admission Control Solution on behalf of the Department of Information Technology in an amount not to exceed one hundred eight thousand four hundred seventy four dollars and no cents (\$108,474.00). All contract work shall be charged to and paid from fund account and center number: 1001 (General Fund), 050211 (IT Network Management); 5222002 (Repair & Maintenance-Equipment); 1535000 (Data Processing/Management Information System).

**Requesting Department:** 

**Department of Information Technology** 

**Contract Type:** 

N/A

**Source Selection:** 

State of Georgia Department of Administrative

Services Contract #SWCGTA000546-43

**Bids/Proposals Due:** 

N/A

Invitations Issued:

N/A

Number of Bids/ Proposals Received:

N/A

Bidders/Proponents:

N/A

**Justification Statement:** 

N/A

Background:

N/A

**Fund Account Centers:** 

1001 (General Fund), 050211 (IT Network Management); 5222002 (Repair & Maintenance-Equipment); 1535000 (Data Processing/Management Information System).

**Source of Funds:** 

N/A

**Fiscal Impact:** 

N/A

Term of Contract:

N/A

**Method of Cost Recovery:** 

N/A

Approval:

DOF: DOL:

Prepared By:

Patricia Lowe, Buyer

**Contact Number:** 

404.330.6583

# **Statewide Information Sheet**

Statewide Contract Number SWCGTA000546 NI			NIGP	Code	Multiple- See Tab			
Name of Contract	Networking Equipment							
Effective Date	4/1/2000	4/1/2000 Expiration Date 06/30			0/2011			
Contract Table of	f Contents							
Suppliers Awarded	6	6 Contract Information:			Mandatory			
Contract Informa	ation for Sup	plier			Page	Number		
3 Com					2			
Brocade (fka Foundry) 4								
<u>Cisco</u> <u>6</u>					<u>6</u>	<u>6</u>		
Enterasys 8								
Extreme Networks 11								
Nortel 13								
Additional Contract Information								
General Contract Information					16			
Item Listing 16					16			
Contract Renewals/ Extensions/ Changes				Extended				
DOAS Contact Information				<u>16</u>				

## **Supplier Information Sheet**

Supplier Name: Cisco Systems, Inc.

Contract Information				
Statewide Contract Number	S000546-043			
Supplier ID	77-0059951			
Supplier Name & Address				
Cisco Systems, Inc. 500 Northridge Rd., Suite 700 Atlanta, GA 30350 Fax: 678-352-2934				
Contract Administrator				
Matt Cobb Cisco Systems macobb@cisco.com 678-352-2806 Cell: 678-794-4138 Order inquiries and complaint Call 678-352-2500	resolution:			
Contract Details				
Ordering Information	Fax or mail orders to any authorized reseller (see link below: Cisco State of Georgia Contract and Authorized Resellers).			
Remitting Information	Payments for orders placed with authorized resellers should be made directly to them.			
Delivery	Delivery will be within 30 days after an order is received.			
Leasing Option	Yes			
Payment Terms	Net 30			
Bid Offer includes	Government and Education			

## Cisco State of Georgia Contract and Authorized Resellers

To request a copy of the Georgia Public Sector coverage map, please send an email to <u>Georgia-public-sector-map@cisco.com</u>. Be sure to reference your partner name in the email request.

## Changes/Renewals/Extensions

# Nortel State Pricing (please see attached Nortel State Pricing List)

#### **Partner Information:**

Access Technologies/Pomeroy (FEI#: 62-1464697)
 6399 Shelby View Drive, Suite 109
 Memphis, TN 38134
 Ingrid Stuckey – Inside Sales

Phone: 901-255-0144 Fax: 901-255-0190

Alltel Communications Products, Inc. (FEI#: 31-4359937)

Mike Jackson 750 N. Jefferson Milledgeville, GA 31061 Phone: 478-451-6759 Fax: 478-451-6755

Bellsouth Communications, Inc. (FEI#: 58-1744731)
 2180 Lake Blvd., Mail Code 09A01
 Atlanta, GA 30319-6004
 Jean-Claude Rizk, Business Development Manager

Phone: 404-829-6862 Fax: 404-829-6817

CDW-Government, Inc. (FEI#: 36-4230110)

4064 Seven Hills Trail Stone Mountain, GA 30083-4637

Jack Trover, Senior Field Account Executive

Office: 800-975-6634 Cell: 404-229-4639 Fax: 800-975-7218

• Digital Communication Inc.

Melany Zweifel 152 Molly Walton Drive Hendersonville, TN 37075 713-302-3848

LatusPoint, Inc.
 Megan Burton
 13010 Morris Road – 6<sup>th</sup> Floor
 Alpharetta, GA 30004
 sales@latuspoint.com

<u>Layer 3 Communications</u> (FEI#: 52-2114334)

1670 Oakbrook Drive, Suite 365

Norcross, GA 30093

**Rodney Turner-President** 

Phone: 770-225-5300 Fax: 770-225-5298

• Presidio

**One Sun Court** 

Norcross, GA 30092

**Christopher D. Tanner - Director, Business Development** 

Office: 678-291-1863 Cell: 678-852-5180

**Brian Onstott** 

Office: 678-291-1845 Cell: 404-550-9664

Technical Systems Integrators (TSI, LLC) (FEI#: 76-

0711696)

3277 Atlanta Road

Smyrna, GA 30080

John David Pickering, Sr. Ph.D. - CEO, Principle

Consultant

Office: 770-319-7616 Cell: 404-886-5339

• **Qwest Communications** 

Jennifer K. Howard

**Global Account Manager** 

Jennifer.howard@gwest.com

Office: 770-777-5678 Cell: 770-475-5593

## **General Contract Information**

Purchases made under this contract must be for public use only. Purchases for personal use by public employees or officials are prohibited.

This contract is not authorized for Voice Over IP (VOIP) Equipment.

This contract is not authorized for Implementation Services.

## **Item Schedule**

Please link to supplier's information from relevant Supplier Information Sheet

## **DOAS Contact Information**

Name: Elizabeth Eason, IT Category Manager

Email: <u>Elizabeth.Eason@doas.ga.gov</u>

Phone: 404-657-6877

Fax: 770.357.7135

## AN IBM GLOBAL SERVICES PROPOSAL FOR

# City of Atlanta

to provide:

# Cisco Product Procurement and Related Services

submitted by

**IBM** 

1177 Beltline Rd Coppell, TX 75019

May 12, 2011

The information in this proposal shall not be disclosed outside the City of Atlanta organization and shall not be duplicated, used or disclosed in whole or in part for any purpose other than to evaluate the proposal. If a contract is awarded to IBM as a result of or in connection with the submission of this proposal, City of Atlanta shall have the right to duplicate, use or disclose the information to the extent provided by the contract. This restriction does not limit the right of City of Atlanta to use information contained in the proposal if it is obtained from another source without restriction.

## Statement of Work

This Statement of Work defines the scope of work to be accomplished by IBM under the terms and conditions of the IBM Customer Agreement or equivalent (Agreement). The tasks to be performed by IBM are defined and an Estimated Schedule is provided. In addition, the responsibilities of City of Atlanta are listed.

The Statement of Work includes the following subsections:

- Scope of Work
- Key Assumptions
- IBM Responsibilities
- City of Atlanta Responsibilities
- Other Terms and Conditions
- Estimated Schedule
- Deliverable Materials
- Completion Criteria
- Charges

Changes to this Statement of Work will be processed in accordance with the procedure described in Appendix A, "Project Change Control Procedure." The investigation and the implementation of changes may result in modifications to the Estimated Schedule, Charges, or other terms of this Statement of Work.

The following are incorporated in and made part of this Statement of Work:

- Appendix A, "Project Change Control Procedure"
- Appendix B, "Cisco Product List"
- Appendix C, "Deliverable Materials"

## 1.0 Scope of Work

The scope of this project is to provide Cisco Machines for purchase by City of Atlanta, to procure Cisco Product and Services, for purchase by City of Atlanta, and to provide the related IBM Services specified in this Statement of Work.

## 1.1 Key Assumptions

This Statement of Work and IBM's estimates to perform are based on the following key assumptions. Deviations that arise during the proposed project will be managed through the procedure described in Appendix A. "Project Change Control Procedure".

- This Statement of Work addresses only the City of Atlanta location at 55 Trinity Ave SW Ste 775 Atlanta, GA 30303-3520 and is for Products and Services delivered within the United States.
- IBM will provide Services under this Statement of Work during normal business hours, 8:00 a.m. to 5:00 p.m. (local time) Monday through Friday, except IBM holidays, unless otherwise specified.
- 3. Unless specified otherwise, all Products will be ordered on a single Purchase Order (as defined below) and delivered to a single location.
- 4. Unless otherwise specified, this transaction is between IBM and City of Atlanta and does not involve any leasing.

PAGE 1

- 5. IBM and City of Atlanta Project Coordinators will work together to establish the schedule of Product ordering, requested delivery date and shipment to a designated location.
- 6. All non-IBM Products must be approved by IBM's Product Safety Review Board prior to IBM placing your order. If any Product does not meet our Product safety specifications, IBM will work with you to identify an alternate Product. Procurement of an alternate Product will occur only upon your approval. In the event that a satisfactory alternate Product cannot be identified, this SOW may be terminated by either party without liability to the other party.

## 1.2 IBM Responsibilities

The specific Services to be provided under this Statement of Work are described in this section.

## 1.2.1 Project Coordinator

**Description:** The objective of this task is to provide an individual ("IBM Project Coordinator") who will provide direction and control of IBM project personnel, and to establish a framework for project communications, reporting, procedural and contractual activity.

The major subtasks are:

- Receive authorized City of Atlanta requests to purchase specific Products ("Purchase Order");
- 2. Coordinate Product ordering, scheduling and shipping to the City of Atlanta location or designated staging location;
- 3. Receive the City of Atlanta Project Coordinator's delivery confirmation;
- 4. Maintain project communications through the City of Atlanta Project Coordinator;
- 5. Prepare and submit invoices; and
- Review and administer Project Change Control with the City of Atlanta Project Coordinator.

Completion Criteria: This activity is complete when IBM has verified the delivery of the Cisco Products and Services ordered by City of Atlanta or IBM has met the criteria defined in the Completion Criteria section of this Statement of Work.

Deliverable Material: Status Report

## 1.2.2 Perform Client Requirements Assessment

**Description**: The objective of this task is to gather client requirements, analyze and collate client requirements for Cisco NAC, and document these requirements.

The major sub tasks are:

- Perform client requirements workshop
- 2. Analyze gathered client requirements for NAC
- 3. Document these requirements pertinent to NAC
- 4. Develop the Client Requirements Assessment Summary Document

**Completion Criteria**: This task will be complete when IBM delivers the Client Requirements Assessment Summary document to the City of Atlanta Project Manager.

Deliverable Material: Client Requirements Assessment Summary Document.

#### City of Atlanta Responsibilities:

- 1. Client must attend requirements workshop
- 2. Client must provide requirements data on the next day after workshop
- 3. Client agrees that provided data is accurate and complete up to that day provided.

## 1.2.3 Design NAC Solution for City of Atlanta

**Description**: The objective of this task is to develop the design detail required for implementation.

The major sub tasks are:

- 1. Create the system design
- 2. Document the system design
- 3. Review preliminary design with client
- 4. Create final system design
- 5. Document system design
- Create system test plan
- 7. Create a Network Design Document

Completion Criteria: This task will be complete when IBM delivers the NAC Network Design document to the City of Atlanta Project Manager. This document will contain all sections identified above.

Deliverable Material: NAC System Design Document

#### City of Atlanta Responsibilities:

- 1. Client must provide accurate data, at the end of this section, as to how many in-band, out of band, and vpn authenticated users are controlled by the system.
- 2. Client is responsible for determining how many, and what type of, device is exempt from NAC control and authentication. These devices count towards the licensing volume.
- 3. Client is responsible for performing any and all Layer 2 and/or Layer 3 device upgrades for all devices that will support NAC-controlled users. Client is responsible for all costs of said upgrades.
- 4. Client is responsible for assuring that Layer 2 and Layer 3 device upgrades do not inhibit the installation of the NAC system devices.
- 5. Client must provide accurate and timely network drawings, switch and router configuration data when requested.

## 1.2.4 Install and Configure NAC system

**Description**: The objective of this task is to implement the detailed design created in section 1.2.4.

The major sub tasks are:

- 1. Perform basic LAN alterations to support NAC servers
- 2. Perform basic WLAN alterations to support NAC servers
- 3. Perform CAM installation

- 4. Perform CAS installation(s)
- Perform system configuration
- Perform initial system validation testing
- 7. Adjust system according to initial system test findings
- 8. Perform system acceptance testing
- 9. Create end user roll-out plan
- 10. Perform system orientation for client
- 11. Perform system hand-off to client
- 12. Post Go-Live Support for up to 40 hours

Completion Criteria: This task will be complete when the system acceptance testing is completed, the system has been adjusted for any failed items in the system test plan, and the system has been handed off to the designated client representative.

Deliverable Material: Completed System Test Plan

## 1.2.5 Design NAC Solution for City of Atlanta

8 hours of system orientation will be provided to one designated client representative City of Atlanta Responsibilities:

1. Client must designate one technical staff member whom is to receive the system orientation briefing of up to 8 hours completed within two consecutive business days prior to the scheduled end of the project.

## 1.2.6 High Performance Network Analysis

Objective: The objective of this task is to perform the HPNA evaluation activities.

#### IBM will evaluate:

- Network Protocol and Configuration
- Resiliency Network Topology Analysis
- Network Components Analysis
- Network Quality of Service

Assumptions: The HPNA activities will be performed on up to 5,000 devices over no more than 10 consecutive weeks.

Completion Criteria: This task shall be complete when the HPNA report has been delivered to your project manager.

Deliverable: HPNA Report

## 1.3 City of Atlanta Responsibilities

The responsibilities listed in this section are in addition to those responsibilities specified in the *Agreement* and are to be provided by City of Atlanta at no charge to IBM. City of Atlanta responsibilities include:

 City of Atlanta will place the specific order with IBM via a Purchase Order. This Purchase Order will also contain the shipping address for the City of Atlanta location or the designated staging location.

- City of Atlanta is responsible for the validity of the network design, Product and feature selection and the use of the Products and features ordered under this Statement of Work.
- City of Atlanta will receive and sign for the Products at their designated location. Any
  visible shipping damage shall be immediately reported to the shipper and the IBM Project
  Coordinator.
- 4. City of Atlanta agrees to maintain and provide to IBM in a timely fashion, accurate inventory records for Cisco products purchased from IBM under this Statement of Work. Inventory records include the physical address where each Cisco Product is installed and the device type and serial number. Upon receipt, IBM will make the necessary changes in the parts logistics database on your behalf. Without accurate inventory records, your entitlement for parts may be denied or delayed.

## 1.3.1 City of Atlanta Project Coordinator

Prior to the start of this Statement of Work, City of Atlanta will designate a person, called the "City of Atlanta Project Coordinator", to whom IBM communications will be addressed and who has the authority to act for City of Atlanta in all aspects of this Statement of Work.

The City of Atlanta Project Coordinator's responsibilities include:

- 1. Serve as the interface between IBM and all City of Atlanta departments, organizations and sites participating in this project;
- 2. With the IBM Project Coordinator, administer Project Change Control;
- Obtain and provide information, data, decisions, and approvals within five (5) working days of IBM's request, unless both IBM and City of Atlanta agree to an extended response time;
- Help resolve project issues and escalate issues within the City of Atlanta organization, as necessary;
- Confirm receipt of the Products, in writing, to the IBM Project Coordinator within 48 hours of receipt.

## 1.4 Other Terms and Conditions

- 1. City of Atlanta is solely responsible for the actual content of any data file, selection and implementation of controls on its access and use, and security of the stored data.
- 2. City of Atlanta will identify and make the interpretation of any applicable federal, state and local laws, regulations and statutes and ensure that deliverables of the project meet those requirements.
- Title for Machines passes from IBM upon shipment to your location or any designated staging location.
- 4. Warranty terms are as in the Agreement. IBM provides non-IBM Products WITHOUT IBM WARRANTIES OF ANY KIND. However, non-IBM manufacturers, suppliers or publishers may provide their own warranties to City of Atlanta.
- IBM shall provide all applicable warranty service for Cisco Products as specified in Cisco's published Product warranty, subject to the warranty period and terms and conditions set forth therein.
- 6. For Cisco SMARTnet services, IBM is acting as an authorized reseller in facilitating the initial sale of such services. Cisco is responsible for performing the SMARTnet services and IBM has no ongoing obligations or liabilities related to such services. Should you elect to modify or extend these Cisco SMARTnet services, it will be your responsibility to

V111208 PAGE 5

initiate such transaction; if you have not processed a renewal thirty (30) days prior to expiration, Cisco may contact you directly.

## 1.5 Estimated Schedule

The Services will be performed consistent with the estimated schedule mutually agreed upon by both parties. Both parties agree to make reasonable efforts to carry out our respective responsibilities according to such schedule.

The following is provided for planning purposes:

Estimated Start Date = May 20, 2011

Estimated End Date = September 30, 2011

Purchase Orders will not be accepted after the Estimated End Date. IBM will fulfill Purchase Orders accepted on or prior to the Estimate End Date.

If the last signature on this Statement of Work is after the Estimated Start Date, the Estimated Start Date shall automatically be extended to the first business day following the date of the last signature on this Statement of Work. The Estimated End Date shall automatically be extended by the same number of days.

Reasonable effort shall be made to keep the schedule dates intact.

IBM shall not be responsible for delays or additional requirements imposed by any government agencies, labor disputes, fire, unavoidable casualties, unforeseen conditions or other situations beyond IBM's control.

## 1.6 Deliverable Materials

The following Materials will be delivered to City of Atlanta under this Statement of Work:

Type I

- None
- Type II
- Status Report
- Networking Infrastructure Assessment Summary Document
- Network Strategy and Architecture Summary Document
- Network Design Document

## 1.7 Completion Criteria

IBM shall have fulfilled its obligations under this Statement of Work when any of the following first occurs:

- IBM accomplishes the IBM tasks described under "IBM Responsibilities;"
- IBM provides the dollar amount of Services and Cisco Products specified under "Charges" or any subsequent Change Authorization;
- this Statement of Work is terminated in accordance with the provisions of the Agreement;
- City of Atlanta notifies IBM, in writing, that further Services are not required; or

## 1.8 Charges

The Cisco Product pricing authorized by you and specified in this Statement of Work does not imply or commit a fixed-price contract. If Cisco changes their published list price, we will inform you as soon as practical. In such event, you may authorize the modified price or terminate our

Services. If you choose to terminate our Services, you agree to pay us for all Products ordered prior to such termination.

Pricing for Cisco Products is based upon IBM procuring the Products directly from Cisco. On a limited exception basis, if the Cisco direct Product availability does not meet City of Atlanta's needs and City of Atlanta requests IBM to procure the Cisco Products from another one of IBM's authorized alternate suppliers, IBM will advise City of Atlanta of the modified pricing prior to placing the order.

IBM will provide up to \$316,100.40 of Cisco Products and Services. Cisco Machines will be priced to City of Atlanta at 42% off of the Cisco published list price. Cisco SMARTnet Services for Cisco Machines procured under this Statement of Work, will be priced to City of Atlanta per the State of GA published price. IBM will invoice you for Cisco Products and Services when they are shipped to your location or to any designated staging location.

As the City of Atlanta has a credit on file with IBM, IBM will use Credit Invoice of \$35,877.00 towards this purchase. To govern this purchase and contractual relationship IBM will require notification by the City of Atlanta authorizing IBM to utilize the \$35,877.00 credit towards this Statement of Work, and a Purchase Order of \$280,224.40 issued to IBM for this Statement of Work (IBM SOW for Cisco Product and Related Services).

Once a Purchase Order has been processed through the Cisco ordering system, changes to the order (including canceling an order and placing a new order) will incur an administrative charge of \$75 per hour.

Shipping charges that are incurred by IBM during the performance of this Statement of Work will be invoiced to City of Atlanta.

If City of Atlanta cancels all or part of a Cisco order less than fifteen (15) days prior to the scheduled delivery date, City of Atlanta agrees to pay any cancellation penalty imposed by Cisco. Such cancellation penalty is estimated to be 10% of the purchase price of the canceled order.

Travel and living expenses will be invoiced monthly.

Applicable federal, state and local taxes are not included in the estimated charges.

Invoices are payable upon receipt.

We agree to provide the Services described in this SOW provided you accept this SOW, without modification, on or before May 31, 2011.

Each of us agrees that the complete agreement between us about this transaction consists of: 1) a Purchase Order authorizing this Statement of Work and its Appendices, and 2) the IBM Customer Agreement, or any equivalent agreement in effect between us (called "Agreement"), identified below.

Customer number: 0603011

Agreement Number (required): HW69175

Statement of Work number:

Customer address:

IBM Company address:

55 Trinity Ave SW Ste 775 Atlanta, GA 30303-3520 1177 Beltline Rd Coppell, TX 75019

V111208 PAGE 8

## **Appendix A. Project Change Control Procedure**

When both of us agree to a change in this Statement of Work, a written description of the agreed change (called a "Change Authorization") will be prepared, which both parties must sign. The Change Authorization will describe the change, the rationale for the change, and specify any change in the charges, estimated schedule, or other terms. Depending on the extent and complexity of the requested changes, IBM may charge for the effort required to analyze it. When charges are necessary in order to analyze a change, IBM will provide a written estimate and begin the analysis on written authorization. The terms of a mutually agreed upon Change Authorization will prevail over those of this Statement of Work or any previous Change Authorization.

V111208 PAGE 9

# **Appendix B. Cisco Product List**

Product	Description	QTY	List Price	Discount	Unit Price	Extended Price
		AND THE				
NAC3355-5000FB-K9	NAC Appliance 3355 Server Failover Bundle - max 5000 users	1	\$134,990.00	42.00%	\$78,294.20	\$78,294.20
NACMGR-STDFB-K9	NAC Appliance 3355 Manager Failover Bundle - max 20 Servers	1	\$32,990.00	42.00%	\$19,134.20	\$19,134.20
NAC3355-1500FB-K9	NAC Appliance 3355 Server Failover Bundle - max 1500 users	1	\$62,990.00	42.00%	\$36,534.20	\$36,534.20
AIR-AP1142N-A-K9	802.11a/g/n Fixed Auto AP; Int Ant; A Reg Do- main	8	\$995.00	42.00%	\$577.10	\$4,616.80
AIR-LAP1142-AK9-10	802.11a/g/n LWAPP AP Integrated Antennas A Reg Domain,10 Aps	1	\$9,950.00	42.00%	\$5,771.00	\$5,771.00
CON-STLOC*	SMARTNET 8X5XNBD NAC3355-5000FB-K9	1	\$0.00	0.00%	\$0.00	\$0.00
CON-STLOC*	SMARTNET 8X5XNBD NACMGR-STDFB-K9	1	\$0.00	0.00%	\$0.00	\$0.00
CON-STLOC*	SMARTNET 8X5XNBD NAC3355-1500FB-K9	1	\$0.00	0.00%	\$0.00	\$0.00
					Total	\$144,350.40

## Appendix C. Deliverable Guidelines

## **Status Report**

**Purpose:** IBM will provide a Status Report during the project to describe the activities which took place during that period. Significant accomplishments, milestones, and problems will be described.

**Delivery:** One hard copy will be delivered to the City of Atlanta Project Manager within 5 working days following the reporting period.

Content: The report will consist of the following, as appropriate:

- · Activities performed during the reporting period
- Activities planned for the next reporting period
- Summary of hours (planned, expended, remaining)
- · Project change control activity
- Problems, concerns, and recommendations

## **Network Infrastructure Assessment Summary Document**

**Purpose:** IBM will provide a Network Infrastructure Assessment Summary Document outlining IBM's review of City of Atlanta's current network.

**Delivery:** One hard copy will be delivered to the City of Atlanta Project Manager.

Content: The report will consist of the following, as appropriate:

- · Physical plant assessment
- Current physical design
- Current logical design
- Networking requirements

## **Network Strategy and Architecture Summary Document**

**Purpose:** IBM will provide a Network Strategy and Architecture Summary Document outlining a summary of recommendations.

**Delivery:** One hard copy will be delivered to the City of Atlanta Project Manager.

Content: The report will consist of the following, as appropriate:

- Outline of networking strategy
- · Outline of network architecture options, capabilities and limitations
- Implementation considerations
- Critical success factors

## **Network Design Document**

**Purpose:** IBM will provide a Network Design Document outlining IBM's recommended logical and physical design models

Delivery: One hard copy will be delivered to the City of Atlanta Project Manager.

Content: The report will consist of the following, as appropriate:

- Logical design models (graphical 8 ½ x 11)
- Physical design models (graphical 8 ½ x 11)

## **Completed System Test Plan**

Purpose: IBM will provide a completed System Test Plan Document.

Delivery: One hard copy will be delivered to the City of Atlanta Project Manager.

## **High Performance Network Analysis Report**

**Purpose:** IBM will provide a completed High Performance Network Analysis Report **Delivery:** One hard copy will be delivered to the City of Atlanta Project Manager

# Appendix D. Deliverable Material Acceptance Process

Each Deliverable Material as defined in Appendix C - Deliverable Materials Guidelines will be reviewed and accepted in accordance with the following procedure:

- One (1) printed draft of the Deliverable Material will be submitted to the City of Atlanta Project Manager. It is the City of Atlanta Project Manager's responsibility to make and distribute additional copies to any other reviewers.
- Within five (5) business days of receipt, the City of Atlanta Project Manager will either accept
  the Deliverable Material or provide the IBM Project Manager a written list of requested revisions.
   If IBM receives no response from the City of Atlanta Project Manager within five (5) business
  days, then the Deliverable Material will be deemed accepted.
- The IBM Project Manager will consider City of Atlanta's request for revisions, if any, within the context of IBM's obligations as stated in Appendix A Deliverable Materials Guidelines.
- Those City of Atlanta revisions agreed to by IBM will be made and the Deliverable Material
  will be resubmitted to the City of Atlanta Project Manager, at which time the Deliverable Material
  will be deemed accepted.

Those City of Atlanta revisions not agreed to by IBM will be managed in accordance with Appendix A, Project Change Control Procedure

## Appendix E. RMA Guidelines

- Return of all failed parts or Products to the Cisco designated location. For a part or Product
  that has been replaced pursuant to the product warranty terms, City of Atlanta shall return
  failed/defective part or Product to Cisco within fifteen (15) calendar days of the receipt of the
  replaced part or Product utilizing Cisco's Returned Materials Authorization ("RMA") process.
  If that part or Product is not shipped to the designated Cisco location within fifteen (15)
  calendar days, IBM will invoice the current list price of the part or Product to City of Atlanta
  and City of Atlanta agrees to pay such invoice;
- Ensure all parts and Products are properly packaged prior to being shipped, and include a
  written description of the failure and specification of any changes or alterations made to the
  part or Product. Parts and Products returned to Cisco must conform in quantity and serial
  number to the RMA request, tag each package returned to Cisco with the RMA transaction
  number and a brief description of the problem;
- Tag each package returned to Cisco with the RMA transaction number and a brief description of the problem; Can we move this to an Appendix on RMA Guidelines?
- Supply RMA information and proof of compliance to the IBM Project Manager upon request;
- Once shipped by the manufacturer, Products cannot be returned for credit. For Products that
  are damaged or defective upon delivery, IBM will assist City of Atlanta to obtain a Return
  Materials Authorization number from Cisco. Cisco may send a replacement unit, customer
  installable replacement parts or arrange to have the unit repaired onsite.



May 13, 2011

Mr. Jeremy Johnson City of Atlanta 55 Trinity Avenue SW Atlanta, GA 30303

Re: Quotation for IBM Statement of Work for Cisco Product and Services

Dear Mr. Johnson,

Per our discussion with DIT Staff regarding Cisco Network Admission Control (NAC) and Related Services, IBM proposes the attached Statement of Work for Design, Assessment, Implementation Services, and Cisco Hardware technology. IBM is pleased to provide this quotation, please advise with any questions or concerns you may have upon review. The IBM Services as specified in the attached Statement of Work are proposed using IBM GSA# 35F-4948H terms and conditions and as it relates to the purchase of the Cisco Products, the terms and conditions of the Cisco State of Georgia Contract# S000546-043 shall apply.

Item	Description	QTY	List Price	Discount	Unit Price	Extended Price
IBM Professional Services	Implementation and Assessment Services (IBM GSA#GS35F-494SH)	£ F				\$ 171,750.00
Cisco Hardware	NAC and Mireless Components (Cisco GA State Contract # 000545-043)					
%403355-5000FB-4-5	NAC Appliance 3355 Server Parlover Bundle -may 5000 Users	1	\$134,990,00	40.00%	\$78,194,20	578,294,20
NACMGF-STDFB-KB	NAC Appliance 3355 Manager Failover Burble -max 20 Servers	1	\$32,990.00	40,00%	\$19,134,20	519,134,10
N4C3355-15CCF8-+9	NHC Hopfiance 3355 Server Failover Bundle -max 1500 users	i	\$62,990.00	42,00%	\$86,534,20	\$36,534,20
AIR-AF1140N-A-+ 9	802.11a gin Filed Auto AF; Int Ant; A Reg Domain	٤	5995.00	40.00%	\$577.10	\$4,616.80
AIR-LAF1142-4×9-10	802.11a/g in Liu AFF AF Integrated Antennas A Reg Domain, IC Aps	1	59,950.00	42.00%	\$5,771.00	\$5,771.00
CON-STLOC	SMARTNET SASANED NACESSS-SCCCPB-K9	1	\$0.00	0.00%	\$0.00	\$0.00
CON-STLOC	SMARTNET BASANBO NACMOR-STOPE++ B	1	\$0.00	0.00%	\$0.00	\$0.00
COM-STLOC	SMARTNET SKEKNED NACESES-1500FB-NB	1	\$0.00	3.00%	\$0.00	\$0.55
					Subtotal: Cisco	\$ 144,350.40
					Less: IBM Credit	(\$35,87€.00
					Total	5 280,224,40

To execute this procurement, IBM will require notification (email) by the City of Atlanta authorizing IBM to utilize the \$35,876.00 credit towards this Offer and a Purchase Order of \$280,224.40 for IBM SOW for Cisco Product and Related Services. Thank you for allowing IBM the opportunity to propose solutions to the City of Atlanta.

Sincerely yours,

Christopher M. McElrath IBM Client Executive

#### IBM Statement of Work for Cisco Product Procurement and Related Services





## Cisco Network Admission Control (NAC) Executive Overview

#### Introduction

As collaboration and globalization change how workplaces function, new information security challenges emerge. Organizations must adopt effective and practical security solutions to meet these challenges and to safeguard their valuable information assets. Cisco® Network Admission Control (NAC) helps organizations to achieve these goals.

This overview explains how organizations can use Cisco NAC to strengthen their security. It discusses how Cisco NAC is integrated into the business lifecycle in terms of supporting role-based access control, enforcing device security compliance, and providing visibility and intelligence for better business decisions. This document also details the return on investment for customers deploying a Cisco NAC solution.

#### I. The Current Security and Business Environment

The Internet has generated tremendous technology advancements for organizations, resulting in improved business efficiencies and productivity gains. Security threats such as viruses and remote attacks have kept pace with the growing adoption of Internet-related technologies. A recent trend is the shift to financially motivated attacks and exploits: The 2008 CSI Computer Crime and Security Survey shows that the most expensive computer security incidents were those involving financial fraud.

Increased collaboration and globalization introduce further security challenges. Mobile users bring their laptops and handheld devices in and out of the office. Remote-access users connect from their homes and from public locations. Business outsourcing requires direct partner access into the internal network. Onsite visitors, vendors, and contractors may need access to the internal network to accomplish their work. Even "in-the-office" workers are subject to threats coming through Internet access, e-mail use, instant messaging, and peer-to-peer (P2P) activities. Web 2.0 applications, social networking technology, and cloud computing all increase the likelihood that sensitive data may no longer reside on a typical company-owned data server only. Traditional security products designed to protect closed environments with well-defined security boundaries are not effective in the new business environment.

Most IT and security departments also face budgetary and personnel resource constraints. Adding to the challenge are the growing complexity and sophistication of new security threats, diverse user communities, mixed infrastructures, and, often, less-than-efficient operations. Organizations must streamline work processes, improve operational efficiency, and reduce security incidents and financial losses to remain competitive.

#### II. NAC Lifecycle

To effectively protect the new open and dynamic business environment, organizations need to address several key security questions, including:

- Do you have full control over who is accessing your network and where each user is permitted to go?
- Do you have the ability to implement security policies on endpoints—before they connect?
- · Do you have user activity information for analysis, planning, and other purposes?

The Cisco NAC solution addresses these issues by providing complete business activity support. The NAC lifecycle includes:

- · Role-based access control
- Endpoint security policy enforcement and remediation support
- · Guest access and dynamic user provisioning
- · Non-PC device support and data gathering

#### **Role-Based Access Control**

Cisco NAC helps reduce the potential loss of sensitive information by enabling organizations to verify a user's privilege level before granting network access. This helps prevent unauthorized access via the wired, wireless, or remote-access network. Cisco NAC provides full integration with wireless, VPN, and 802.1X, and can be implemented in a single-sign-on (SSO) manner to maximize security benefits and minimize user impact.

#### **Endpoint Security Policy Enforcement and Remediation Support**

As users carry their laptops to external locations, it is critical that the security protection on each endpoint device is up to date. The security policy is applied when an endpoint device attempts to connect to the internal network. Cisco NAC provides comprehensive policy enforcement and support. Cisco NAC integrates with a wide range of endpoint security applications. It supports built-in policies for more than 350 applications from leading antivirus and other security and management software solution providers. Many user-friendly capabilities, such as silent remediation and auto-remediation, help bring devices into compliance without causing user impact.

#### **Guest Access and Dynamic User Provisioning**

Cisco NAC helps organizations improve operational efficiency and productivity by providing secured guest access and assigning internal user access based on a user's role in the organization. Secure guest access allows visitors and guests to stay in touch with their own companies without sacrificing the "host" organization's security. Assigning internal user access based on their role in the organization provides a powerful way to ensure that employees, contractors, and temporary workers can access the required resources to complete their work while maintaining a high level of security standard.

#### Non-PC Device Support and Data Gathering

In a typical customer network, many non-PC endpoint devices are not associated with user identities. Examples of these devices include IP phones, printers, or scanners. It is usually a labor-intensive process to locate, track, and provide security protection for these devices. Cisco NAC delivers automated non-PC device support by identifying and tracking these devices and placing

them into pre-assigned network segments based on the security policy requirement. This device profiling technology dramatically improves operational efficiency by freeing up IT personnel resources for other tasks. In addition, Cisco NAC gathers rich network user and device activity data for organizations to perform analysis, planning, and other functions.

#### III. Cisco NAC Product Family

The Cisco NAC solution comprises several core components, with additional optional components for enhanced capabilities.

#### Cisco NAC Appliance Components

Following are the components of the Cisco NAC Appliance.

- Cisco NAC Manager: Cisco NAC Manager provides a Web-based interface for creating security policies and managing online users. It can also act as an authentication proxy for authentication servers on the back end. Administrators can use Cisco NAC Manager to establish user roles, compliance checks, and remediation requirements. Cisco NAC Manager communicates with and manages the Cisco NAC Server, which is the enforcement component of Cisco NAC.
- Cisco NAC Server: Cisco NAC Server performs device compliance checks as users
  attempt to access the network. This security enforcement device is deployed at the network
  level. Cisco NAC Server can be implemented in band or out of band, in Layer 2 or Layer 3,
  and as a virtual gateway or as a real IP gateway. It can be deployed locally or around the
  world.
- Cisco NAC Agent (optional): This lightweight, read-only agent runs on an endpoint device. It performs deep inspection of a local device's security profile by analyzing registry settings, services, and files. Through this inspection, it can determine whether a device has a required hotfix, runs the correct antivirus software version, and runs other security software, such as Cisco Security Agent. Cisco NAC Agent is available as both a persistent agent and as a Web-based, dissolvable agent.

#### **Additional NAC Services**

Beyond the core Cisco NAC Manager and Server functions of user authentication, device compliance assessment, and role-based access control, several advanced Cisco NAC services are available that yield even greater operational benefits and policy control. These additional services include:

- Cisco NAC Profiler: The optional Cisco NAC Profiler provides non-PC device profiling by keeping a real-time, contextual inventory of all devices in a network, including nonauthenticating devices such as IP phones, printers, and scanners. It facilitates the deployment and management of the Cisco NAC Appliance by discovering, tracking, and monitoring the location, types, and behavior of all LAN-attached endpoints. It also uses the information about the device to apply appropriate Cisco NAC policies.
- Cisco NAC Guest Server: The optional Cisco NAC Guest Server simplifies the
  provisioning, notification, management, and reporting of guest users on wired and wireless
  networks, offloading from IT staff much of the challenges commonly associated with
  supporting corporate visitors. The Secure Guest service enhances IT's ability to protect its
  own organization's assets, employees, and information from guests and their devices while
  providing secure and flexible network access to meet visitors' business needs.

- Cisco Secure Access Control System (ACS) (optional): Cisco Secure ACS is an 802.1X access policy system that enables Cisco NAC to support 802.1X network authentication.
   This type of implementation is ideal when applying NAC to large corporate LANs.
- Clsco 802.1X supplicant (optional): Although Cisco NAC supports any 802.1X supplicant
  on the client device side, it is most commonly deployed with Cisco Secure Services Client
  (802.1X supplicant), or the embedded Windows supplicant.

#### IV. Cisco NAC Return on Investment

The Cisco NAC solution integrates tightly with many additional security technologies and provides numerous benefits.

#### Threat Containment

By closely monitoring the security protection on endpoint devices and enforcing security policies, Cisco NAC effectively mitigates virusand malware-based security threats. Benefits to customers include fewer infections, fewer help desk calls, and a more resilient network. For instance, Virginia Commonwealth University has enjoyed a 90-percent reduction in infections on the school's resident student network since implementing a Cisco NAC solution. To learn more, read the case study at

http://www.cisco.com/en/US/prod/collateral/vpndevc/ps5707/ps8418/ps6128/case\_study\_univ\_virt\_ually\_eliminates\_infections\_v3.pdf.

#### **Access Control**

Cisco NAC assigns different types of network access based on user credentials and a user's role in the organization. Customers benefit from increased security protection, which is reflected in fewer security incidents and a reduction in the loss of sensitive data.

#### Compliance

Many organizations are under various regulatory or industrial compliance requirements, such as Sarbanes-Oxley (business and financial data), HIPAA (patient health information), and PCI DSS (credit card information). With a Cisco NAC solution, organizations can demonstrate to their stakeholders and auditors that they are putting effective security control and protection in place to address compliance requirements. Direct customer benefits include improved security as well as more reliable audit and enforcement capabilities.

#### **Operational Efficiency**

Cisco NAC can help organizations improve their operational efficiencies. By providing secure guest access services, Cisco NAC Guest Server helps to free up IT and help desk resources. Cisco NAC Profiler automates the labor-intensive process of identifying and tracking non-PC devices on the network, therefore saving significant IT resources. Cisco NAC can help improve business results by ensuring that configuration standards are applied across all assets, both managed (internal) and unmanaged (guest). Effective asset management and controls result in standardization, lower total cost of ownership of the infrastructure, and lower operational expenses.

In summary, customers can use Cisco NAC to protect their critical information assets and infrastructure proactively. Cisco NAC delivers many security and business benefits to help customers increase their network resiliency and improve their business results.



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## CITY OF ATLANTA

Kasim Reed Mayor SUITE 1790 55 TRINITY AVENUE, SW ATLANTA, GA 30303 (404) 330-6204 Fax: (404) 658-7705 Internet Home Page: www.atlantaga.gov

DEPARTMENT OF PROCUREMENT Adam L. Smith, Esq., CPPO, CPPB Chief Procurement Officer asmith@atlantaga.gov

## MEMORANDUM

TO: Councilmember Yolanda Adrean,

Chair, Finance Executive Committee

FROM: Adam L. Smith

RE: State of Georgia/Department of Administrative Services Contract #SWCGTA000546-43

DATE: May 25, 2011

This memorandum is to certify that the above-referenced Cooperative Agreement was competitively procured in a manner consistent and pursuant to sections 2-1602, 2-1604, 2-1606 and 2-1608 of the Procurement and Real Estate Code. We reviewed the terms of the Agreement and determined that the costs for the goods/services are competitive and comparable.

If you have any questions or need additional information, please do not hesitate to contact me.

## TRANSMITTAL FORM FOR LEGISLATION

10: MAYOR'S OFFICE ATTN: CANDACE BYRD
Dept.'s Legislative Liaison: <u>Kathleen Lane</u>
Contact Number: 404-335-1983
Originating Department: Department of Information Technology
Committee(s) of Purview: Finance/Executive Committee
Chief of Staff Deadline: May 27, 2011
Anticipated Committee Meeting Date(s): June 14-15, 2011
Anticipated Full Council Date: June 20, 2011
Legislative Counsel's Signature:
Chief Information Officer Signature (for IT Procurements)
Commissioner Signature:
Chief Procurement Officer Signaturer // Vdaw Skill
CAPTION  Mayor's Staff Only  A RESOLUTION AUTHORIZING THE MAYOR OR HIS DESIGNEE TO ENTER INTO A COOPERATIVE PURCHASING AGREEMENT PURSUANT TO SECTION 2-1601 ET SEQ. OF THE CITY OF ATLANTA CODE OF ORDINANCES, UTILIZING GEORGIA DEPARTMENT OF ADMINISTRATIVE SERVICES CONTRACT NUMBER SWCGTA000546-43 WITH IBM CORPORATION (AN AUTHORIZED RESELLER OF CISCO PRODUCTS) FOR THE PURCHASE OF CISCO HARDWARE AND SOFTWARE FOR THE CITY OF ATLANTA'S NETWORK ADMISSION CONTROL SOLUTION ON BEHALF OF THE DEPARTMENT OF INFORMATION TECHNOLOGY, IN AN AMOUNT NOT TO EXCEED ONE HUNDRED EIGHT THOUSAND, FOUR HUNDRED SEVENTY-FOUR DOLLARS AND NO CENTS (\$108,474.00); ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND, DEPARTMENT, ORGANIZATION AND ACCOUNT NUMBERS 1001 (GENERAL FUND) 050211 (IT NETWORK MANAGEMENT) 5222002 (REPAIR & MAINTENANCE-EQUIPMENT) 1535000 (DATA PROCESSING/MANAGEMENT INFORMATION SYSTEM); AND FOR OTHER PURPOSES.  FINANCIAL IMPACT: (if any) \$108,474.00
Received by CPO: Received by LC from CPO: (date)  Received by Mayor's Office: 5.37. ( Received by Reviewed by Received by Rece
(date) (date)  Submitted to Council: